IN THE CLAIMS

Please make the following amendments to the claims:

1. (Currently Amended) A method for providing location information in a Global Positioning System (GPS) server, comprising the steps of:

a) receiving coordinates of current location of a GPS terminal and a request for location information ~~which~~ , where the location information includes coordinates of geographical features adjacent to the GPS terminal from the GPS terminal;

b) setting up the received coordinates of current location of the GPS terminal as an origin;

~~b)~~ c) generating location information having coordinates of the geographical features adjacent to the GPS terminal by calculating difference values between the origin and the coordinates of geographical features; and

~~c)~~ d) transmitting the location information to the GPS terminal.

2. (Currently Amended) The method as recited in claim 1, wherein the geographical features include[[s]] roads and buildings.

3. (Canceled)

4. (Currently Amended) A method for providing location information in a Global Positioning System (GPS) server, comprising the steps of:

a) receiving coordinates of current location of a GPS terminal from the GPS terminal;

b) setting up the received coordinates of current location of the GPS terminal as an origin;

~~b)~~ c) generating basic location information ~~which~~ , where the basic location information includes coordinates of main geographical features adjacent to a GPS terminal in response to a request for basic location information from the GPS terminal by calculating difference values between the origin and the coordinates of geographical features;

~~c)~~ d) transmitting the basic location information to the GPS terminal;

d) e) generating additional location information ~~which~~ , where the additional location information includes coordinates of detailed geographical features adjacent to the GPS terminal in response to a request for additional location information from the GPS terminal by calculating difference values between the origin and the coordinates of detailed geographical features; and

e) f) transmitting the additional location information to the GPS terminal.

5. (Original) The method as recited in claim 4, wherein the main geographical features include location of main buildings, figure of main buildings, location of main roads and figure of main roads.

6. (Original) The method as recited in claim 4, wherein the detailed geographical features include location of buildings, figure of buildings, location of roads and figure of roads.

7. (Currently Amended) A method for providing location information in a Global Positioning System (GPS) terminal, comprising the steps of:

a) requesting location information ~~which~~ , where the location information includes coordinates of geographical features adjacent to the GPS terminal by transmitting coordinates of current location to a GPS server;

b) receiving difference values between the coordinates of current location of the GPS terminal and the coordinates of the geographical features adjacent to the GPS terminal as the location information ~~having coordinates of the geographical features adjacent to the GPS terminal~~; and

c) generating graphical location information based on the location information.

8. (Canceled)

9. (Currently Amended) A method for providing location information in a Global Positioning System (GPS) terminal, comprising the steps of:

a) requesting basic location information ~~which~~ , where the basic location information includes coordinates of main geographical features adjacent to the GPS terminal and transmitting coordinates of current location to a GPS server;

b) receiving <u>difference values between the coordinates of current location of the GPS terminal and the coordinates of main geographical features adjacent to the GPS terminal as</u> the basic location information ~~having main geographical features adjacent to the GPS terminal~~ from the GPS server;

c) outputting graphical basic location information on a display unit;

d) requesting additional location information ~~which~~ <u>, where the additional location information</u> includes coordinates of detailed geographical features adjacent to the GPS terminal;

e) receiving <u>difference values between the coordinates of current location of the GPS terminal and the coordinates of detailed geographical features adjacent to the GPS terminal as</u> the additional location information from the GPS server; and

f) outputting graphical additional location information to the display unit.

10. (Original) The method as recited in claim 9, wherein the main geographical features include location of main roads, figure of main roads, location of main buildings and figure of main buildings.

11. (Original) The method as recited in claim 9, wherein the detailed geographical feature include location of roads, figure of road, location of buildings and figure of buildings.

12. (Canceled)

13. (Currently Amended) A mobile communication system for providing location information, comprising:

a GPS server for receiving the coordinates of current location of a GPS mobile terminal, generating location information ~~which~~ <u>, where the location information</u> includes coordinates of geographical features adjacent to the GPS terminal through retrieval of map data base <u>by setting up the received coordinates of current location of the GPS terminal as an origin and calculating difference values between the origin and the coordinates of geographical features,</u> and transmitting the location information to the GPS terminal; and

at least one GPS terminal for transmitting coordinates of ~~the~~ its current location, requesting the location information ~~to~~ from the GPS server, receiving difference values between the coordinates of current location of the GPS terminal and the coordinates of geographical features adjacent to the GPS terminal as the location information from the GPS server, generating graphical location information based on the location information, and displaying the graphical location information.

14. (Original) The mobile communication system recited in claim 13, wherein the geographical features include roads and buildings.

15. (Currently Amended) A GPS server for providing location information, comprising:

a receiver for receiving a location information request message and coordinates of ~~the~~ a current location of a GPS terminal from a GPS terminal;

a map database for storing map information;

a transmitter for transmitting ~~coordinates of~~ location information of geographical features adjacent to the GPS terminal; and

a processor for setting up the received coordinates of current location of the GPS terminal as an origin, generating the location information by calculating difference values between the origin and the coordinates of geographical features stored in the map database ~~retrieving the map database based on the coordinates of the current location of the GPS terminal~~.

16. (Currently Amended) The GPS terminal recited claim 15, wherein the geographical features include[[s]] roads and buildings.

17. (Currently Amended) A GPS terminal for providing location information, comprising:

a GPS server for receiving a GPS signal from GPS satellites;

a GPS processor for calculating coordinates of the current location of the GPS terminal using the GPS signal;

a transmitter for transmitting a location information request message and coordinates of the current location of the GPS terminal;

a receiver for receiving <u>difference values between the coordinates of current</u> <u>location of the GPS terminal and the coordinates of the geographical features adjacent to</u> <u>the GPS terminal as</u> ~~coordinates of geographical features adjacent to the GPS terminal~~ ~~from the GPS server~~ a location information; and

a location information processor for generating graphical location information based on ~~the coordinates of geographical features~~ <u>the received difference values</u> and displaying the graphical location information.

18. (Original) The GPS terminal recited in claim 17, wherein the geographical features include roads and buildings.